

## WHAT IS CLAIMED IS

1. A radial compliance of a compressor comprising:
  - a transmission shaft;
  - an orbiting scroll member driven by the transmission shaft;
  - a fixed scroll member matching with the orbiting scroll member to configure a plurality of compressing rooms, the compressing rooms being engaged revolutions by way of the transmission shaft driving the orbiting scroll member for compressing;
  - a transmission member installed between the transmission shaft and the orbiting scroll member and making that the transmission shaft being eccentric with the orbiting scroll member and a gap being between the transmission shaft and the orbiting scroll member, the orbiting scroll member being capable of leaking pressure automatically by means of the gap for damaging, to combine the transmission shaft and the orbiting scroll member via the transmission member being to function that the transmission shaft moving with the transmission member simultaneously in a same direction.
2. The radial compliance of the compressor as cited in claim 1, wherein a way of combining the transmission shaft and the orbiting scroll member via the transmission member is to adopt that at least one plane on each of the transmission shaft and the transmission member being matched each other for the transmission shaft driving the transmission member.
3. The radial compliance of the compressor as cited in claim 1, wherein a way of combining the transmission shaft and the orbiting scroll member via the transmission member is to adopt that at least one trough on each of the transmission shaft and the transmission member being matched each other and a motion member being between them for the transmission shaft driving the transmission member.
4. The radial compliance of the compressor as cited in claim 3, wherein the motion member and the transmission member can be in one body.
5. The radial compliance of the compressor as cited in claim 3, wherein the motion member and the transmission shaft can be in one body.
6. The radial compliance of the compressor as cited in claim 3, wherein an outer frame can be added on the motion member and cover the trough for preventing the motion member taking off from the trough.
7. The radial compliance of the compressor as cited in claim 6, wherein two buckles can be

added on two sides of the motion member to avoid the motion member sliding out.

8. The radial compliance of the compressor as cited in claim 1, wherein an oil-storing space is configured on the transmission member, oil is normally in the oil-storing space and splashed out via centrifugal force and inertia while the compressor initially being started for lubrication in advance.